

PATENT
Docket No. SPLX.P0052

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Mani Adeli (by CDP)
Mani Adeli

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Steven Teig

Serial No.: 10/046,864

Filing Date: 1/13/02

For: METHOD AND APPARATUS FOR
PRE-COMPUTING ATTRIBUTES OF
ROUTES

INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, applicants submit with this Information Disclosure Statement the attached Form PTO-1449, and copies of the documents listed in the 1449 form for consideration by the Examiner. The Examiner is requested to make these documents of record. Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

02/11/2004 6WORD0F1 00000081 10046864

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This Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

This Information Disclosure Statement is submitted after receipt of a first Office Action on the merits but before the Final Office Action. Accordingly, a fee is required. The requisite fee is attached.

However, in the unlikely event that the Patent Office determines that additional fees, extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 50-1128** referencing SPLX.P0052. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: February 6, 2004

Respectfully submitted,

By: Mani Adeli (EAS)
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/046,864
				Filing Date	1/13/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	Lin, Sun J.
Sheet	1	of	7	Attorney Docket Number	SPLX.P0052

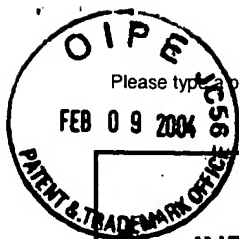
U.S. PATENT DOCUMENTS					
Examiner* Initials	Cite No. ¹	U.S. Patent Document Number Kind Code ² (if known)	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	2001/0009 031 A1	07-19-2001	Nitta et al.	
	2.	2002/0182 844 A1	12-05-2002	Igarashi et al.	
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	19.	6,150,193	11-21-2000	Glenn	
	20.	6,209,123 B1	03-27-2001	Maziasz et al.	

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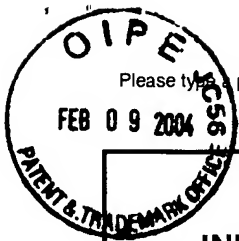
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	39.	6,546,540	B1	04-08-2003	Igarashi et al.	
	40.	6,557,145	B2	04-29-2003	Boyle et al.	
	41.	6,567,967	B2	05-20-2003	Greidinger et al.	

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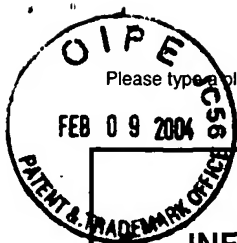
FOREIGN PATENT DOCUMENTS								
Examiner* Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code (if known)				
	42.	JP	2000-82743	A	Igarashi et al.	03-21-2000	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
	43.	JP	H03-173471	A	Tawada et al.	07-26-1991	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
	44.	JP	H05-243379	A	Masako Kubota	09-21-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
	45.	JP	H05-102305	A	Akihiro Sato	04-23-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
	46.	JP	H07-86407	A	Shinpei Miura	03-31-1995	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
	47.	JP	H09-162279	A	Masaaki Yoshida	06-20-1997	with Japanese Patent Office's English	√

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FOREIGN PATENT DOCUMENTS							
							translation of Abstract; and with English translation of the application.

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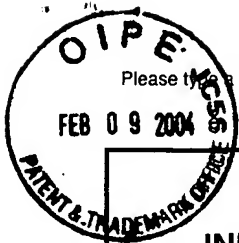
NON PATENT LITERATURE DOCUMENTS				
Examiner* Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ⁶
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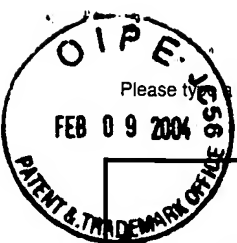
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/046,864
				Filing Date	1/13/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	Lin, Sun J.
Sheet	7	of	7	Attorney Docket Number	SPLX.P0052

NON PATENT LITERATURE DOCUMENTS			
	75.	Wang, D., Novel Routing Schemes for IC Layout, Part I: Two-Layer Channel Routing, 28 th ACM/IEEE Automation Conference, 1991, pp. 49-53.	
	76.	Wood, G. et al., FPGA Routing and Routability Estimation Via Boolean Satisfiability, Department of Electrical and Computer Engineering Carnegie Mellon University, Pittsburgh, PA, pp. 119-125.	
	77.	Zhang, C.X. et al., Floorplan Design Using a Hierarchical Neural Learning Algorithm, IEEE, 6/1991. pp. 2060-2063.	
	78.	Zhou, H. et al., An Optimal Algorithm for River Routing with Crosstalk Constraints, 1996.	
	79.	Zhou, H. et al., Global Routing with Crosstalk Constraints, Department of Computer Sciences, University of Texas, 1998, pp. 374-377.	
	80.	Zhou, H. et al., Optimal River Routing with Crosstalk Constraints, ACM Transactions on Design Automation of Electronic Systems, vol. 3, No. 3, July 1998, pp. 496-514.	

Examiner Signature		Date Considered	
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number(optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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2825

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/046,864
	Filing Date	1/13/02
	First Named Inventor	Steven Teig
	Group Art Unit	2825
	Examiner Name	Lin, Sun
Total Number of Pages in This Submission	Attorney Docket Number	SPLX.P0052

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm Or Individual name	Mani Adeli, Reg. No. 39,585 of Stattler Johansen & Adeli LLP
Signature	
Date	February 6, 2004

CERTIFICATE OF TRANSMISSION/MAILING			
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